**Unit 7 Map - Molecular Genetics**

AP Biology

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| **Topic** | **Learning Target** | **Checkpoint Score** (%) | **Test Score** (%) |
| 1. DNA | 1. I can describe the experiments that led to the modern understanding of DNA  . |  |  |
| 2. I can describe the structure of the DNA molecule. |
| 3. I can outline the steps involved in DNA replication. |
| 2. From Gene to Protein | 4. I can outline the steps involved in the conversion of a gene to an mRNA molecule to a protein. |  |  |
| 5. I can compare the types of DNA mutations and their effects on the resulting protein. |
| 3. Viral and Bacterial Genetics | 6. I can describe how viruses reproduce and recombine their genetic material. |  |  |
| 7. I can describe how bacteria reproduce and recombine their genetic material. |